A-A-1500A
July 29, 1981
SUPERSEDING
A-A-1500
April 16, 1981

COMMERCIAL ITEM DESCRIPTION

SEALER, SURFACE
(LATEX BLOCK FILLER)

The General Services Administration has authorized the use of this commercial item description.

This description covers a ready-mixed latex block tiller for interior and exterior use on concrete and masonry surfaces.

Salient characteristics:

The filler shall be readily dispersible by hand stirring to form a homogeneous mixture. The filler shall brush easily and without pulling and shall not sag when applied at the rate of 50 square feet per gallon to vertical surfaces. The film shall be smooth and uniform and without pin holes or craters. The color shall be white or a tint as specified. The total solids shall be at least 60 percent by weight.

Viscosity. The viscosity shall be between 110 and 125 K.U. (ASTM D 562).

Drying time.[1] The dry-to-touch time shall be within 1 hour and dry-hard time within 2 hours (ASTM D 1640).

Adhesion.[2] The filler shall not separate from the substrate at less than 150 psi when tested with an Elcometer adhesion tester.

Appearance.[1] There shall be no lifting, pinholes, craters, or other defects when a 100 percent acrylic house paint (TT-P-19) is applied at a spreading rate of 300 square feet per gallon over the filler.

Flexibility.[2] The filler shall bend over 1/4 in. mandrel without cracking, chipping, or flaking (ASTM D 1737).

Fungus resistance. The maximum disfigurement rating shall be No. 8

(ASTM D 3273, and D 3274).

The issues of ASTM test methods in effect on the date of the solicitation shall be used to determine compliance with these requirements.

Accelerated storage stability. When the filler is exposed for 2 weeks at 50 +/- 2 deg. C, the increase in viscosity shall be less than 8 K.U., and when brushed on patio blocks, the coating shall be smooth and uniform.

Free-thaw resistance. When exposed to three cycles consisting of 16 hours at -9 +/- 1 deg. C followed by 8 hours at 25 +/- 1 deg. C, the increase in viscosity shall be less than 8 K.U. and when brushed to patio blocks the coating shall be smooth and uniform.

Alkali resistance.[1] The coating shall be unchanged after immersion for 14 days in 0.5 percent aqueous sodium hydroxide solution to such a depth that the coated surface is 4 mm above the solution level.

Note: Procedures for the preparation of block filler relative to the above salient characteristics.

[1] Brush the filler to patio blocks at a spreading rate of 50 square feet per gallon and cure for 24 hours at standard conditions.

[2] Apply the filler with a draw-down blade to electrolitic tin panels at 10 mil wet film thickness and cure for 48 hours at standard conditions followed by two hours at 50 +/- 2 deg. C.

Certification. The contractor shall certify that the product offered meets the salient characteristics of this description, and that the product conforms to the producer's own drawings, specifications, standards, and quality assurance practices, and is the same product sold in the commercial marketplace. The Government reserves the right to require proof of such conformance prior to first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

Regulatory requirements. The manufacturer shall utilize recovered materials to the maximum extent practicable.

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Packaging, packing, and marking. Packaging, packing, and marking shall be as specified in the contract or order.

ASTM standards are available from the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.

MILITARY INTERESTS:

Custodian

Navy - YD

PREPARING ACTIVITY:

GSA-FSS